

Title (en)
MULTI-PHASE POLYMER COMPOSITION

Title (de)
MEHRPHASIGE POLYMERZUSAMMENSETZUNG

Title (fr)
COMPOSITION POLYMÈRE MULTIPHASE

Publication
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Application
EP 14798727 A 20141030

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Abstract (en)
[origin: WO2015082143A1] The present invention relates to a multi-phase polymer composition comprising a comb copolymer (A) which can be obtained by polymerizing at least one (meth)acrylate monomer in the presence of at least one macromer selected from the group consisting of polymerizable ethylene-butylene, ethylene-propylene, ethylene-butylene-propylene and isobutylene macromers, and which forms a continuous acrylate phase and a discontinuous hydrocarbon phase Kw; and at least one hydrocarbon compound (B) which is soluble in the hydrocarbon phase Kw of the comb copolymer (A); where the multi-phase polymer composition has a continuous acrylate phase with a static glass transition temperature Tg(Ac) measured by the DSC method and a discontinuous hydrocarbon phase Kw1 with a static glass transition temperature Tg(Kw1) measured by the DSC method, and where the difference between the static glass transition temperatures of the polymer composition Tg(Kw) and Tg(Ac) is from 35 to 60 Kelvin. The invention further relates to pressure-sensitive adhesives comprising the polymer composition according to the invention, and to the use of the pressure-sensitive adhesives for adhesive bonding of articles, in particular for adhesive bonding of articles with non-polar surfaces. The invention further relates to a method for producing the multi-phase polymer composition.

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